

AMENDMENTS TO THE CLAIMS

Without prejudice, please amend the claims as reflected in the following listing of claims, which will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of associating search information with an object in a file, the method comprising:

- a) associating a search key with the object, in said file by tagging the object with a tag; and
- b) scheduling a search for said information using said search key, for automatic ~~future~~ execution at a pre-scheduled time by a searching mechanism ~~operable to execute scheduled searches~~;
- pre-scheduled search* c) initiating a pre-scheduled search by said searching mechanism, at said pre-scheduled time to produce a search result in response to said search key;
- d) associating said search result with said tag, in said file.

~~2. (Cancelled) The method claimed in claim 1 wherein associating a search key comprises tagging the object.~~

3. (Currently Amended) The method claimed in claim 21 wherein tagging the object comprises associating a label with the object.

4. (Currently Amended) The method claimed in claim 3 wherein associating a label comprises inserting asaid tag adjacent a string of text in a document.

5. (Original) The method claimed in claim 1 wherein scheduling comprises storing said search key and a time of execution at which said search is to be executed in association with each other.

- a1
6. (Original) The method claimed in claim 2 wherein scheduling comprises storing said search key in association with a time of execution at which said search is to be executed and in association with a tag identifying said object.
7. (Canceled)
8. (Currently amended) A computer readable medium for providing codes for directing a processor circuit to:
- a) associate a search key with an object_i in a file by tagging the object with a tag; and
 - b) schedule a search for information using said search key, for automatic ~~future~~ execution at a pre-scheduled time by a searching mechanism operable to execute scheduled searches;
 - c) initiate a pre-scheduled search by said searching mechanism, at said pre-scheduled time to produce a search result in response to said search key;
 - d) associate said search result with said tag, in said file.
9. (Currently amended) A computer data signal embodied in a carrier wave, comprising:
- a) a first code segment for directing a processor circuit to associate a search key with an object_i in a file by tagging the object with a tag; and
 - b) a second code segment for directing said processor circuit to schedule a search for information using said search key, for automatic ~~future~~ execution at a pre-scheduled time by a searching mechanism operable to execute scheduled searches;
 - c) a third code segment for directing said processor circuit to initiate a pre-scheduled search by said searching mechanism, at

said pre-scheduled time to produce a search result in response to said search key;

- d) a fourth code segment for directing said processor circuit to associate said search result with said tag, in said file.

10. (Currently amended) An apparatus for associating information with an object in a file, the apparatus comprising:

- a) means for associating a search key with the object, in said file by tagging the object with a tag; and
- b) means for scheduling a search for said information using said search key, for automatic future execution at a pre-scheduled time by a searching mechanism operable to execute scheduled searches;
- c) means for initiating a pre-scheduled search by said searching mechanism, at said pre-scheduled time to produce a search result in response to said search key;
- d) means for associating said search result with said tag, in said file.

11. (Currently amended) An apparatus for associating search information with an object in a file, the apparatus comprising:

a scheduler operable to schedule a search for said information, said scheduler including;

a component for associating a search key and a time of execution with the object, in the file by tagging the object with a tag; and

, wherein said scheduler is operable to schedule a search for said information using said search key for automatic future execution by a search interface operable to initiate scheduled searches

an executor operable to automatically initiate a pre-scheduled search for said information, at said time of execution, said executor including;

a component for communicating with a search engine at said time of execution to effect said pre-scheduled search in response to said search key and to receive a search result from said search engine;
a component for associating said search result with said tag, in said file.

- a
12. ~~(Cancelled) The apparatus claimed in claim 11 wherein said scheduler is operable to tag the object.~~
13. (Currently Amended) The apparatus claimed in claim ~~12~~11 wherein said scheduler is operable to associate a label with the object.
14. (Currently Amended) The apparatus claimed in claim 13 wherein said scheduler is operable to insert asaid tag adjacent a string of text in a document.
15. (Original) The apparatus claimed in claim 11 wherein said scheduler comprises memory and wherein said scheduler is operable to store said search key and a time of execution at which said search is to be executed in association with each other.
16. (Original) The apparatus claimed in claim 12 wherein said scheduler is operable to store said search key in association with a time of execution at which said search is to be executed and in association with a tag identifying said object.
17. (Canceled)
18. (Canceled)
19. (Canceled)

20. (Currently amended) A method of associating information with an object in a file, the method comprising:

- a) initiating a ~~pre-scheduled~~ search for said information ~~at a pre-scheduled time~~, using a search key and an associated time of execution associated with said object by a tag associated with the object in said file; and
- b) associating with said ~~object~~tag a result of said search.

21. (Currently amended) The method claimed in claim 20 wherein initiating comprises invoking a search when, or after said ~~pre-scheduled time~~time of execution occurs.

22. (Original) The method claimed in claim 21 wherein invoking a search comprises invoking a search engine.

23. (Currently amended) The method claimed in claim 22 wherein invoking a search engine comprises addressing a universal resource locator (URL) associated with said ~~pre-scheduled~~search engine.

- a'
24. (Original) The method claimed in claim 23 wherein invoking said search comprises running scripts to populate search engine fields of the search engine.
25. (Original) The method claimed in claim 23 further comprising receiving and storing a results URL associated with results of said search.
26. (Currently amended) The method claimed in claim 25 wherein storing comprises storing said results URL in association with said ~~pre-scheduled~~ search.
27. (Original) The method claimed in claim 26 further comprising associating with the object a hyperlink pointing to said results URL.
28. (Currently amended) The method claimed in claim 27 further comprising producing a table associating ~~an object~~ said tag, said search key, said ~~pre-scheduled time~~ time of execution, said URL associated with said ~~pre-scheduled~~ search and said results URL with each other to ~~identify said search~~.
29. (Currently amended) A computer readable medium for providing computer readable codes for directing a processor circuit to:
- initiate a ~~pre-scheduled~~ search for information ~~at a pre-scheduled time~~, using a search key and an associated time of execution associated with an object in a file by a tag associated with the object in said file; and
 - associate with said ~~object~~ tag a result of said search.
30. (Currently amended) A computer data signal embodied in a carrier wave, comprising:
- a first code segment for directing a processor circuit to initiate a ~~pre-scheduled~~ search for information ~~at a pre-scheduled time~~, using a search key and an associated time of execution

associated with an object in a file by a tag associated with the object in said file; and

- b) a second code segment for directing said processor circuit to associate with said objecttag a result of said search.

a'
31. (Currently amended) An apparatus for associating information with an object in a file, the apparatus comprising:

- a) means for initiating a ~~pre-scheduled~~ search for said information ~~at a pre-scheduled time~~, using a search key and an associated time of execution associated with said object by a tag associated with the object in said file; and
- b) means for associating with said objecttag a result of said search.

32. (Currently amended) An apparatus for associating search information with an object in a file, the apparatus comprising a search executor for initiating a ~~pre-scheduled~~ search for said information ~~at a pre-scheduled time~~, using a search key and an associated time of execution associated with said object by a tag associated with the object in said file, and for associating with said objecttag a result of said search.

33. (Currently Amended) The apparatus claimed in claim 31-32 wherein said search executor is operable to invoke a search when, or after said ~~pre-scheduled time~~ time of execution occurs.

- a1
34. (Original) The apparatus claimed in claim 33 wherein said search executor is operable to invoke a search engine.
 35. (Currently amended) The apparatus claimed in claim 34 wherein said search executor is operable to address a universal resource locator (URL) associated with said ~~pre-scheduled~~ search.
 36. (Original) The apparatus claimed in claim 35 wherein said search executor is operable to run scripts to populate search engine fields of the search engine.
 37. (Original) The apparatus claimed in claim 35 wherein said search executor is operable to receive and store a results URL associated with results of said search.
 38. (Currently amended) The apparatus claimed in claim 37 wherein said search executor comprises memory and wherein said search executor is operable to store said results URL in association with said ~~pre-scheduled~~ search.
 39. (Original) The apparatus claimed in claim 38 wherein said search executor is operable to associate with the object a hyperlink pointing to said results URL.
 40. (Currently amended) The apparatus claimed in claim 39 wherein said search executor is operable to produce a table associating ~~as~~ said object tag, said search key, said ~~pre-scheduled time~~ time of execution, said URL associated with said ~~pre-scheduled~~ search and said results URL with each other ~~to identify said search~~.